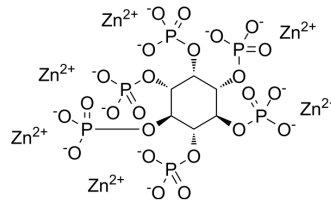


Zinc Phytate

Cat. No.:	HY-N2580
CAS No.:	63903-51-5
Molecular Formula:	C ₆ H ₆ O ₂₄ P ₆ Zn ₆
Molecular Weight:	1040.22
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (48.07 mM; Need ultrasonic)
 10%TFA : 50 mg/mL (48.07 mM; ultrasonic and adjust pH to 2 with 10%TFA)
 10%TFA : 50 mg/mL (48.07 mM; ultrasonic and adjust pH to 2 with 10%TFA)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.9613 mL	4.8067 mL	9.6134 mL
	5 mM	0.1923 mL	0.9613 mL	1.9227 mL
	10 mM	0.0961 mL	0.4807 mL	0.9613 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Zinc Phytate is found in food and is significant for human nutrition ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- SSRN. 2022 Jan 26.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Schlemmer U, Frølich W, Prieto RM, Grases F. Phytate in foods and significance for humans: food sources, intake, processing, bioavailability, protective role and analysis. Mol Nutr Food Res. 2009;53 Suppl 2:S330-S375.

Caution: Product has not been fully validated for medical applications. For research use only.

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